

# NETWG STEM White Paper

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# NETWG Priority: STEM Education

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- Nuclear Energy Education
- Integration of place-based Traditional Ecological Knowledge (TEK) with DOE mission-focused STEM
- Career Opportunities for Native Americans/Workforce Needs for DOE
- Incorporation of strategy for tracking data from programs

# Federal Alignment: Federal STEM Strategic Plan (2018-2023)

## ❖ Goals

- STEM-literate society
- STEM workforce of future
- Promote diversity and inclusion in STEM

## ❖ Themes

- Strategic Partnerships
- Convergence
- Computation and Communication Technology
- Transparency and Accountability



# Key Takeaways From Plan

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- Providing DOE-specific committed objectives for implementation of the STEM strategy, assessing and scaling our work for sustainability
- Importance of State and Federal Partnerships--Strengthening partnerships between education and communities (especially tribal), utilizing workplace learning and authentic learning opportunities at our labs and sites
- Leveraging experiential opportunities to realize a path forward for our economy and national security
- Building transdisciplinary thinking skills to solve complex, relevant challenges for our DOE mission—using computational literacy and digital learning

STEM  
Workforce

Accountability

Increase  
Diversity

Including  
TEK-base

STEM  
Literacy

Nuclear  
Energy  
Education

